



Associated Earth Sciences, Inc.



VICINITY MAP  
EAGLEMONT  
MONROE, WASHINGTON

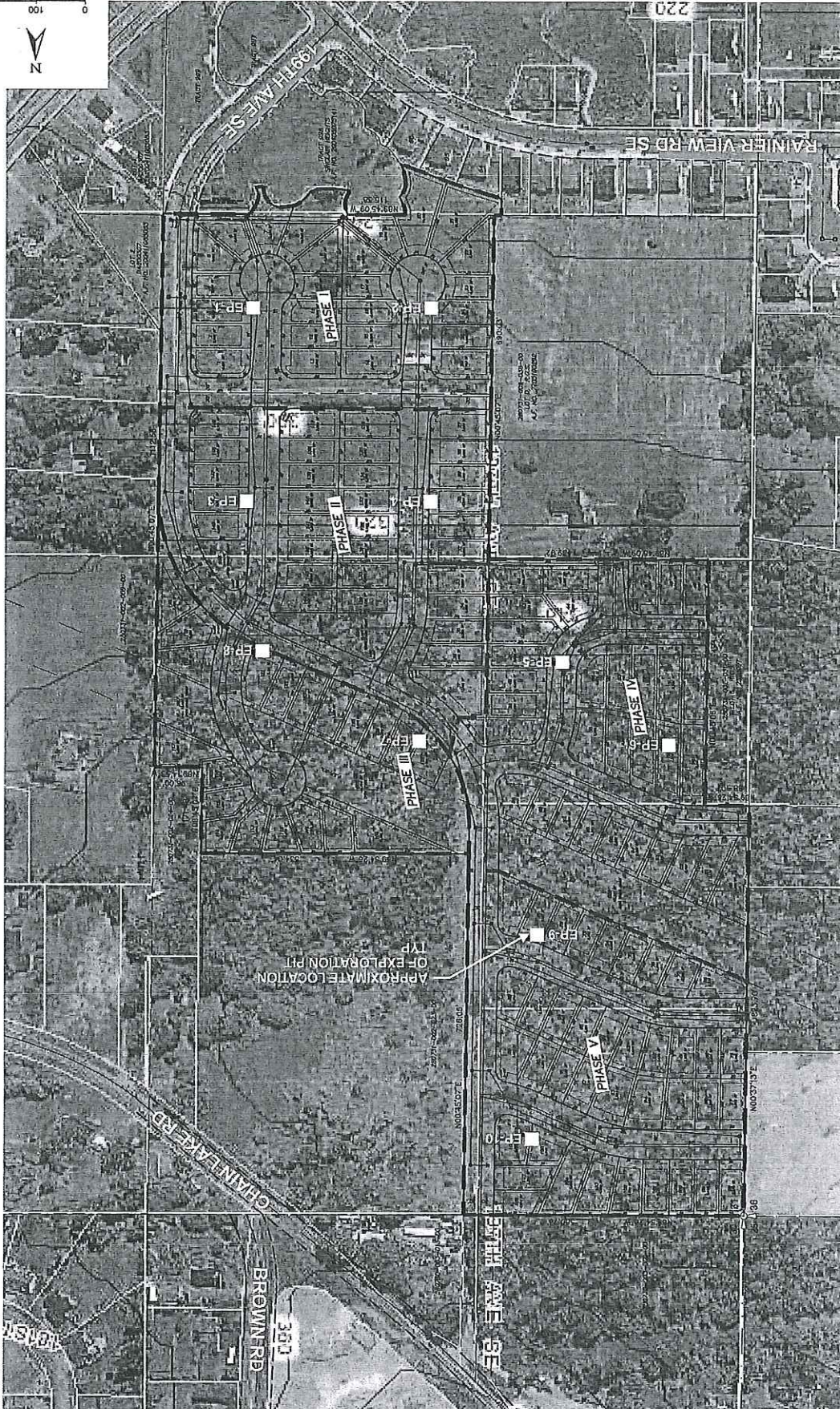
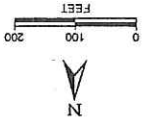
FIGURE 1

DATE 7/12

PROJ. NO. KE120280A

REFERENCE: CLIENT

NOTE: BLACK AND WHITE REPRODUCTION OF THIS COLOR ORIGINAL MAY  
REDUCE ITS EFFECTIVENESS AND LEAD TO INCORRECT INTERPRETATION.



# **APPENDIX**

## **Exploration Logs**

Coarse-Grained Soils - More than 50% <sup>(1)</sup> Retained on No. 200 Sieve			Terms Describing Relative Density and Consistency		
Gravels - More than 50% <sup>(1)</sup> of Coarse Fraction Retained on No. 4 Sieve	Sands - 50% <sup>(1)</sup> or More of Coarse Fraction Passes No. 4 Sieve	Soils	Soils	Density	SPT <sup>(2)</sup> blows/foot
				Coarse-Grained Soils	Very Loose Loose Medium Dense Dense Very Dense
Sands - 50% <sup>(1)</sup> or More of Coarse Fraction Passes No. 4 Sieve	Sands - 50% <sup>(1)</sup> or More of Coarse Fraction Passes No. 4 Sieve	Soils	Soils	Consistency	SPT <sup>(2)</sup> blows/foot
				Fine-Grained Soils	Very Soft Soft Medium Stiff Stiff Very Stiff Hard
			Test Symbols		
			G = Grain Size M = Moisture Content A = Atterberg Limits C = Chemical DD = Dry Density K = Permeability		
			Component Definitions		
			Descriptive Term	Size Range and Sieve Number	
			Boulders	Larger than 12"	
			Cobbles	3" to 12"	
			Gravel	3" to No. 4 (4.75 mm)	
			Coarse Gravel	3" to 3/4"	
			Fine Gravel	3/4" to No. 4 (4.75 mm)	
			Sand	No. 4 (4.75 mm) to No. 200 (0.075 mm)	
			Coarse Sand	No. 4 (4.75 mm) to No. 10 (2.00 mm)	
			Medium Sand	No. 10 (2.00 mm) to No. 40 (0.425 mm)	
			Fine Sand	No. 40 (0.425 mm) to No. 200 (0.075 mm)	
			Silt and Clay	Smaller than No. 200 (0.075 mm)	
			<sup>(3)</sup> Estimated Percentage		
			Component	Percentage by Weight	Moisture Content
			Trace	< 5	Dry - Absence of moisture, dusty, dry to the touch
			Few	5 to 10	Slightly Moist - Perceptible moisture
			Little	15 to 25	Moist - Damp but no visible water
			With	- Non-primary coarse constituents: $\geq 15\%$ - Fines content between 5% and 15%	Very Moist - Water visible but not free draining
					Wet - Visible free water, usually from below water table
			Symbols		
			Sampler Type	Blows/6" or portion of 6"	
			2.0" OD Split-Spoon Sampler (SPT)	10 15 20	
			Bulk sample	3.0" OD Split-Spoon Sampler	
			Grab Sample	3.25" OD Split-Spoon Ring Sampler	
				3.0" OD Thin-Wall Tube Sampler (Including Shelby tube)	
				Portion not recovered	

## LOG OF EXPLORATION PIT NO. EP-1

Depth (ft)	This log is part of the report prepared by Associated Earth Sciences, Inc. (AESI) for the named project and should be read together with that report for complete interpretation. This summary applies only to the location of this trench at the time of excavation. Subsurface conditions may change at this location with the passage of time. The data presented are a simplification of actual conditions encountered.
	<b>DESCRIPTION</b>
	<b>Sod / Topsoil</b>
1	<b>Weathered Vashon Lodgement Till</b>
2	Loose, moist, reddish brown, silty SAND, with gravel, scattered roots, scattered cobbles. Becomes medium dense and tan, with no roots below 1.5 feet.
3	<b>Vashon Lodgement Till</b>
4	Very dense, moist, grayish tan, silty SAND, with gravel (SM).
5	
6	
7	Bottom of exploration pit at depth 6 feet No seepage. No caving.
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KCTP3 120280.GPJ July 12, 2012

**Eaglemont  
Monroe, WA**

Associated Earth Sciences, Inc.



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Approved by: *TJP*

Project No. KE120280A

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## LOG OF EXPLORATION PIT NO. EP-2

Depth (ft)	This log is part of the report prepared by Associated Earth Sciences, Inc. (AESI) for the named project and should be read together with that report for complete interpretation. This summary applies only to the location of this trench at the time of excavation. Subsurface conditions may change at this location with the passage of time. The data presented are a simplification of actual conditions encountered.
	<b>DESCRIPTION</b>
	<b>Sod / Topsoil</b>
1	
2	<b>Weathered Vashon Lodgement Till</b>
3	Loose, moist, reddish brown, silty SAND, with gravel (SM); scattered cobbles; abundant roots from 0 to 2 feet.
4	Becomes medium dense and tan below 2.5 feet.
5	
6	<b>Vashon Lodgement Till</b>
7	Very dense, moist, grayish tan, silty SAND, with gravel (SM).
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Bottom of exploration pit at depth 6 feet  
No seepage. No caving.

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## LOG OF EXPLORATION PIT NO. EP-3


Depth (ft)	This log is part of the report prepared by Associated Earth Sciences, Inc. (AESI) for the named project and should be read together with that report for complete interpretation. This summary applies only to the location of this trench at the time of excavation. Subsurface conditions may change at this location with the passage of time. The data presented are a simplification of actual conditions encountered.
	<b>DESCRIPTION</b>
	<b>Sod / Topsoil</b>
1	<b>Weathered Vashon Lodgement Till</b>
2	Loose, moist, reddish brown, silty SAND, with gravel (SM).
3	Becomes medium dense and tan below 2.5 feet.
	<b>Vashon Lodgement Till</b>
4	Very dense, moist, grayish tan, silty SAND, with gravel, scattered cobbles.
5	
6	Bottom of exploration pit at depth 5.5 feet No seepage. No caving.
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## LOG OF EXPLORATION PIT NO. EP-4

Depth (ft)	This log is part of the report prepared by Associated Earth Sciences, Inc. (AESI) for the named project and should be read together with that report for complete interpretation. This summary applies only to the location of this trench at the time of excavation. Subsurface conditions may change at this location with the passage of time. The data presented are a simplification of actual conditions encountered.
	<b>DESCRIPTION</b>
	<b>Sod / Topsoil</b>
1	<b>Weathered Vashon Lodgement Till</b>
2	Loose, moist, reddish brown, silty SAND, with gravel (SM). Becomes medium dense and tan below approximately 2 feet, scattered cobbles.
3	<b>Vashon Lodgement Till</b>
4	Very dense, moist, grayish tan, silty SAND, with gravel (SM); scattered cobbles.
5	
6	Bottom of exploration pit at depth 5 feet No seepage. No caving.
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# LOG OF EXPLORATION PIT NO. EP-5


Depth (ft)	<p>This log is part of the report prepared by Associated Earth Sciences, Inc. (AESI) for the named project and should be read together with that report for complete interpretation. This summary applies only to the location of this trench at the time of excavation. Subsurface conditions may change at this location with the passage of time. The data presented are a simplification of actual conditions encountered.</p> <p><b>DESCRIPTION</b></p>
	<b>Forest Duff / Topsoil</b>
1	<b>Weathered Vashon Lodgement Till</b>
	Loose, very moist, brown, silty SAND, with gravel, abundant roots (SM).
2	
3	Wet at base.
4	<b>Vashon Lodgement Till</b>
	Very dense, very moist, grayish tan, silty SAND, with gravel (SM).
5	Becomes moist, contains scattered cobbles and boulders.
6	
7	Bottom of exploration pit at depth 5.5 feet
8	Slow seepage at 3 feet. No caving.
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## LOG OF EXPLORATION PIT NO. EP-6

Depth (ft)	This log is part of the report prepared by Associated Earth Sciences, Inc. (AESI) for the named project and should be read together with that report for complete interpretation. This summary applies only to the location of this trench at the time of excavation. Subsurface conditions may change at this location with the passage of time. The data presented are a simplification of actual conditions encountered.
	<b>DESCRIPTION</b>
	<b>Forest Duff / Topsoil</b>
1	<b>Weathered Vashon Lodgement Till</b>
	Loose, very moist, reddish brown, silty SAND, with gravel, abundant roots (SM).
2	Wet at base.
	<b>Vashon Lodgement Till</b>
3	Very dense, very moist, grayish tan, silty SAND, with gravel, scattered cobbles (SM).
4	
5	
6	Bottom of exploration pit at depth 5.5 feet No seepage but sediments at base of weathered soil horizon (2.5 feet depth) appear close to saturated. No caving.
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## LOG OF EXPLORATION PIT NO. EP-7

Depth (ft)	This log is part of the report prepared by Associated Earth Sciences, Inc. (AESI) for the named project and should be read together with that report for complete interpretation. This summary applies only to the location of this trench at the time of excavation. Subsurface conditions may change at this location with the passage of time. The data presented are a simplification of actual conditions encountered.
	<b>DESCRIPTION</b>
	<b>Forest Duff / Topsoil</b>
1	<b>Weathered Vashon Lodgement Till</b>
2	Loose, very moist, reddish brown, silty SAND, with gravel (SM). Becomes very moist below 1.5 feet. Abundant roots from 0 to 2.5 feet.
3	<b>Vashon Lodgement Till</b>
4	Dense to very dense, very moist, grayish tan, silty SAND, with gravel, scattered cobbles (SM).
5	
6	Bottom of exploration pit at depth 5.5 feet No seepage. No caving.
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## LOG OF EXPLORATION PIT NO. EP-8

Depth (ft)	This log is part of the report prepared by Associated Earth Sciences, Inc. (AESI) for the named project and should be read together with that report for complete interpretation. This summary applies only to the location of this trench at the time of excavation. Subsurface conditions may change at this location with the passage of time. The data presented are a simplification of actual conditions encountered.
	<b>DESCRIPTION</b>
	<b>Forest Duff / Topsoil</b>
1	<b>Weathered Vashon Lodgement Till</b>
2	Loose, very moist, reddish brown, silty SAND, with gravel, scattered cobbles (SM). Abundant roots from 0 to 2 feet.
3	Becomes medium dense and tan below 2 feet.
	<b>Vashon Lodgement Till</b>
4	Very dense, very moist, grayish tan, silty SAND, with gravel, scattered cobbles (SM).
5	Becomes wet at approximately 4 feet.
6	
7	Bottom of exploration pit at depth 6.5 feet Slow seepage at 4 feet. No caving.
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## LOG OF EXPLORATION PIT NO. EP-9

Depth (ft)	<p>This log is part of the report prepared by Associated Earth Sciences, Inc. (AESI) for the named project and should be read together with that report for complete interpretation. This summary applies only to the location of this trench at the time of excavation. Subsurface conditions may change at this location with the passage of time. The data presented are a simplification of actual conditions encountered.</p> <p style="text-align: center;"><b>DESCRIPTION</b></p>	
	<b>Forest Duff / Topsoil</b>	
1	<b>Weathered Vashon Lodgement Till</b>	
	Loose, very moist, reddish brown, silty SAND, with gravel, scattered cobbles (SM).	
2	Abundant roots from 0 to 2 feet.	
	Becomes medium dense and tan below 2 feet.	
3	<b>Vashon Lodgement Till</b>	
	Very dense, very moist, grayish tan, silty SAND, with gravel, scattered cobbles, and boulders (SM).	
4		
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7	Bottom of exploration pit at depth 6 feet No seepage. No caving.	
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# LOG OF EXPLORATION PIT NO. EP-10


Depth (ft)	<p>This log is part of the report prepared by Associated Earth Sciences, Inc. (AESI) for the named project and should be read together with that report for complete interpretation. This summary applies only to the location of this trench at the time of excavation. Subsurface conditions may change at this location with the passage of time. The data presented are a simplification of actual conditions encountered.</p> <p><b>DESCRIPTION</b></p>	
	<b>Forest Duff / Topsoil</b>	
1	<b>Weathered Vashon Lodgement Till</b>	
	Loose, moist to very moist, reddish brown, silty SAND, with gravel, abundant roots (SM).	
2		
	<b>Vashon Lodgement Till</b>	
3		
	Very dense, very moist, grayish tan, silty SAND, with gravel, scattered cobbles (SM).	
4		
5		
6	Bottom of exploration pit at depth 5.5 feet	
	No seepage. No caving.	
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